

From: Pat Hunt [WaterSewerSupvr@badriver-nsn.gov]
Sent: Tuesday, August 06, 2013 9:40 AM
To: Maraldo, Dean
Subject: FW: Bad River Compliance Plan
Attachments: Bad River Compliance Plan_08_1_2013.pdf

From: Zoch, Matthew J (IHS/BEM) [<mailto:Matthew.Zoch@ihs.gov>]
Sent: Tuesday, August 06, 2013 9:30 AM
To: Pat Hunt
Cc: Warner, Ty P (IHS/BEM); Dahl, Mary (IHS/BEM); Hoffmann, Shane (IHS/BEM); Anderson, Kenneth (IHS/BEM)
Subject: FW: Bad River Compliance Plan

Pat

To help you respond appropriately to the EPA compliance plan letter, we are providing the following information.

1. Tribe to hire a certified operator or contract to obtain certified contractor support for the WWTF and Lagoons.
 - a. My understanding is that you currently have the proper certifications for the lagoons but not for the WWTF. The Band is currently advertising to fill a vacancy for a wastewater operator and the requirements of the position include all of the necessary certifications for the WWTF and the lagoons. The announcement closes 8/17/13 so I don't think it will be possible to meet the EPA's proposed date of 8/12/13 for this item. I would suggest that you provide a copy of the vacancy announcement to the EPA as part of your response.
 - b. Also, the IHS is planning to include 1 year of startup training and support from a certified WWTF operator as part of the WWTF upgrades project BE-12-G85. This individual will work with the Tribe during the startup of the plant after the upgrades are completed to ensure they have the knowledge and tools that they need to properly operate and maintain the plant and meet the discharge requirements into the future.
2. Tribe to submit a schedule identifying necessary equipment installation, mechanical repairs, and program upgrades required to return the Bad River WWTF and the Stabilization Lagoons to compliance, with anticipated dates for completing each action.
 - a. IHS is currently completing bidding documents for a 3 part project (BE-12-G85) which is intended to ensure that the WWTF is capable of meeting the NPDES permit requirements by eliminating the operational issues that the plant has been experiencing. The scope of work of this project includes the following:
 - i. Complete control system upgrade including new PLC hardware and programming for the SBR treatment processes and new SCADA computers and software
 - ii. Replacement of various existing starters, relays and overload protection for existing SBR blowers and motive pumps

- iii. Replacement of control instrumentation including dissolved oxygen (DO) sensors, pressure transducers, float switches and flow meters
 - iv. Installation of a floating decanter in the digester basin.
 - v. Inspection and performance of preventative maintenance on Equalization (EQ) Basins, SBR Basins, and Digester Basin including pumps, valves and valve operators, aeration equipment, piping, diffusers, decanters, etc.
 - vi. Replacement of existing digester and EQ basin blowers with new blowers. Modify air piping for digester and EQ basins.
 - vii. Installation of an emergency eyewash/shower for chemical feed equipment.
 - viii. Other miscellaneous inspections and repairs.
 - ix. Startup training and operational assistance for 1 year to be provided by a certified WWTF operator.
 - b. The WWTF upgrades project is being split into 3 parts. The schedule for each part is as follows:
 - i. Control Upgrades
 - 1. IHS complete final specifications and send to service provider for proposal– 8/16/13
 - 2. Receive proposal – 8/23/13
 - 3. Band award sole source contract to service provider – 9/6/13
 - 4. Begin control upgrades work in conjunction with mechanical upgrades – 10/4/13
 - 5. Control upgrades complete – 1/31/14
 - ii. Mechanical Upgrades
 - 1. IHS complete final bidding package and forward to Band for advertisement – 8/16/13
 - 2. Band receive proposals – 9/20/13
 - 3. Band award contract – 10/4/13
 - 4. Mechanical upgrades complete – 1/31/14
 - iii. Startup training and operational assistance
 - 1. Contract will be awarded and the contractor personnel will be on site prior to plant startup following the upgrades.
 - iv. It should be noted that the Band is responsible for the procurement related items in this schedule. I have included what I believe to be reasonable amounts of time to allow for these items. If the advertising of the solicitations or the awarding of contracts takes longer than anticipated, the completion dates will be affected.
 - c. For the Birch Hill and Diaperville lagoons, I am not aware of any upgrades required in order to ensure compliance. It appears that the violations are due to DMR's not being submitted resulting in an overdue violation. It is my understanding that there was a period of time where the information was not being sent to the EPA but recently, the Bad River Utility Department has worked hard to ensure that all required information gets submitted. The fact that there are no violations after 12/31/2011 on the report included in the EPA's letter. It appears that the Band has already made the necessary changes in order to ensure that the lagoons are in compliance.
3. Tribe to submit a plan and schedule to address inflow and infiltration issues at the Bad River WWTF.

- a. The Band has hired a consultant (GEI) to complete an I/I analysis through IHS project BE-12-G94. The draft I/I report has been received and is currently being revised. The report is expected to be finalized by 12/31/13. The Band and IHS will use the report to complete planning for repair/upgrade projects to correct the deficiencies identified in the report. They will then pursue funding to execute the projects. There is currently one project listed on SDS. At this time, there is no funding available to complete upgrades or repairs and improvements will likely not be completed for at least 1-2 years.
4. The Tribe to complete equipment installation, mechanical repairs and program upgrades required to return the WWTF and lagoons to compliance with NPDES permit effluent limits.
 - a. For the WWTF, based on the schedule presented in 2.b above, the control and mechanical upgrades will not be completed by the 11/29/13 date in the EPA letter. The work is expected to be completed by 1/31/14.
 - b. For the lagoons, as stated in 2.c above, there are no repairs or upgrades required. The lagoons appear to be in compliance since 12/31/2011.
5. Tribe to be in compliance with NPDES permit effluent limits and permit requirements for the WWTF and lagoons.
 - a. The WWTF upgrade project BE-12-G85 is expected to improve the operation of the WWTF as necessary to bring it back into compliance with NPDES permit requirements. The project includes bringing the EQ basins back into operation and eliminating the issues with the control system to allow the plant to function as designed. The treatment process will be more efficient and the plant malfunctions due to control system issues should also be eliminated.
 - b. The scheduled completion date for the WWTF upgrades is 1/31/14. Therefore, the date of 12/31/13 for this milestone may not be achievable.
 - c. As previously noted, the lagoons appear to be currently meeting the NPDES permit requirements.

Hopefully this helps you in your response to EPA. Please let me know if you have any questions or would like to discuss anything further.

LCDR Matthew Zoch, P.E.

Indian Health Service
9A South Brown Street
Rhineland, WI 54501
715-365-5107

From: Dahl, Mary (IHS/BEM)
Sent: Monday, August 05, 2013 9:21 AM
To: Zoch, Matthew J (IHS/BEM)
Subject: FW: Bad River Compliance Plan

From: Pat Hunt [<mailto:WaterSewerSupvr@badriver-nsn.gov>]
Sent: Monday, August 05, 2013 9:05 AM
To: Warner, Ty P (IHS/BEM)
Cc: Dahl, Mary (IHS/BEM); Hoffmann, Shane (IHS/BEM)
Subject: FW: Bad River Compliance Plan

This is a compliance plan submitted to me today from the EPA. It consists of many time lines including next Monday. Can we use Ty's document coupled with some time lines and send to EPA?

Pat

From: Maraldo, Dean [<mailto:Maraldo.Dean@epa.gov>]
Sent: Friday, August 02, 2013 2:52 PM
To: Pat Hunt
Subject: Bad River Compliance Plan

Dear Mr. Hunt: As we discussed this morning, here is the draft Compliance Plan. Please provide any comments by August 9. I will be available next Tuesday through Friday if you would like to discuss the plan.

Thanks,
Dean Maraldo

=====
Dean Maraldo, Chief
Water Enforcement & Compliance Assurance Branch
U.S. EPA - Region 5
77 West Jackson Blvd. (WC-15J)
Chicago, Illinois 60604
ph: (312) 353-2098
fax: (312) 385-5394
e-mail: maraldo.dean@epa.gov
<http://www.epa.gov/enforcement/>